CYGNUS
electronics

DATASHEET
CY-PA2

PA2 SIP VIDEO INTERCOM&PAGING GATEWAY

PA2 is a SIP video intercom & Paging device for industry application. The media stream transmission adopts standard IP/RTP/RTSP protocol. It inherits the advantages of the stability and the sound quality of FANVIL VOIP Phone. It is perfectly compatible with all the current SIP IPPBX /IMS platforms, such as Asterisk, Broadsoft, 3CX, Elastix, etc. It has various functions and interfaces, Such as Intercom, broadcast, video , security, recording, to adapt different application environment, you can very easy to DIY your video intercom & paging equipment. PA2 is the best choice for everyone.

Highlights

- Small and exquisite, can be embedded in the internal installation
- Emergency call button interface, active call
- Interact with IPC camera, you can make a video phone call
- NVR video recording, standard RJ45 interface
- Recording output, 3.5mm standard audio interface
- 10W 30W adaptive output power
- System online management and upgrade

Intercom

- Two SIP lines, supporting SIP 2.0
- (RFC3261) and related RFC
- Supports two lines RTSP
- Voice broadcast IP address
- Button or remote volume adjustment
- Switch signal input and output
- Talkback recording output
- Handsfree talking
- Default auto answer
- Dynamic multicast function
- Supports DC or PoE power supply
- Support for Function key interface
- Support monophonic active speakers
- Network time synchronization
- Action URL / Active URI remote control

Audio

- Narrowband speech coding: G.711a / u, G.723.1, G.726-32K, G.729AB
- Broadband speech coding: G.722
- Duplex intercom with Acoustic Echo Canceller (AEC)
- DTMF: In-band, out-of-band DTMF (RFC2833) / SIP Info

Networking / Protocols

- Supports PoE
- Primary and secondary DNS servers are supported
- Support VLAN
- Supports SNTP client
- Support L2TP / OpenVPN

- Supports SRTP
- Support for HTTP / HTTPS web pages
- Support Qos: 802.1p / q, DSCP
- Support MD5 authentication
- Supports Web Filter
- DHCP / Static / PPPoE
- STUN

Physical Specifications

- 2 RJ45 interface:
  Yellow: WAN port 10 / 100M adaptive, support PoE
  PoE: (Class 3:　6.49 ~ 12.95W)
  Black: LAN port (Only connected to the original camera)
  Cable: Super five lines or better
- 1 blue indicator (SIP status and network status)
- 2 volume plus or minus key
- 1 restore factory settings key
- 1 recording output interface:
  3.5mm standard audio interface
  15 Ohm impedance
- 1 ground screw
- 1 way passive speaker interface:
  Output power: 4Ω, PoE / 10W, 12V / 10W,18V / 20W, 24V / 30W; related to supply voltage.
  Wire diameter: 18 AWG or larger diameter
  Interface: Pluggable terminal block
- 1 headset speaker：

  Output: 32 Ohm 1.2V
  interface: Pluggable terminal block
- 1 DSS key interface (4 lines):
  Indicator: Output 5.0V 5mA
  Interface: pluggable terminal block
- 1 way microphone input interface:
  Recommendation: Use an electret condenser microphone
  Sensitivity: -38dB, Impedance 2.2 K Ohm bias voltage 2.2V
  Interface: Pluggable terminal block
- 1 short circuit input and output interface (built-in relay):
  Relay: MAX DC30V / 1A, AC125V / 0.5A,
  Interface: pluggable terminal block
- 2 parallel power input interface:
  12V-24V / 2A DC 1 road for the 5.5mm DC power seat 1 road way 2Pin pluggable terminal block
- Standby power consumption: DC12V 1.32W / PoE 1.78W
- Housing material: aluminum alloy shell
- Installation: Indoor installation
- Operating temperature: -30 ~ 60
- Storage temperature: -30 ~ 60
- Relative humidity: 10% - 95%
- Equipment size: 113x83x28mm
- Packing size: 138x108x77mm
- Equipment weight: 250g

Lista de compatibilidad:

3CX | Asterisk | AVAYA | broadsoft | epygi | HUAWEI | Jabra GN | metaswitch | NEC
New Rock | OpenVox | Phonism | plantronics | PORTA ONE | SENNHEISER | Yeastar | ZTE中兴 | ZYCOO